

ABSTRACT OF THE DISCLOSURE

5 An improved vortex inhibitor for separating slag from molten metal
during the discharge of molten metal through a nozzle includes a uniform castable
refractory body with a generally tapering shape, a hollow chamber within the body
and an elongated sacrificial member. The hollow chamber receives the sacrificial
member or a mount for the sacrificial member. The refractory body and the
sacrificial member combination in molten metal has a specific gravity less than the
10 specific gravity of molten metal and is positioned narrow end downward when
supported in molten metal. The hollow chamber can fill with molten metal to form
a core that aids in orienting the body in a narrow end downward position. The
sacrificial member align the with the area in which the vortex forms and minimizes
interference with the flow through the discharge nozzle. The body preferably
15 includes swirl obstructing surfaces.

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